

PIPELIFE INDUSTRIAL — INDUSTRIAL UNDERFLOOR HEATING

WHY PIPELIFE UNDERFLOOR HEATING

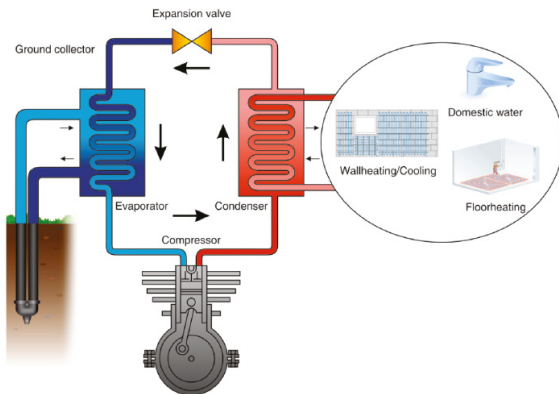


ENERGY SAVINGS

Radiant heat transfer consists of the transfer of energy through the electromagnetic waves that are emitted temperature. Unlike the other modality of energy transport, i.e., convection and diffusion, radiation does not need a medium, such as air or a metal, to propagate and, in fact, it can move across the void, as it happens with the solar energy reaching the earth surface. Comfort levels can be achieved with lesser air temperature thus requiring smaller heat output. With this being said specific heat sources can be applied (such as low temperature boilers or condensing boilers)

ELEVATED COMFORT

Due to a fact that radiation isn't influenced by obstacles temperature can be distributed uniformly without bothersome currents of air and dust. Especially important in production halls where conventional systems can provide overheating on particular spots and not enough heating on most of the area.



ALTERNATIVE ENERGY SOURCES

With low water supply temperature required there are possibilities to employ adequate energy sources. Work processes, solar energy, heat pumps and condensing boilers can be an option for heating capacity.

REDUCED AIR CURRENTS AND MOVEMENT OF DUST

Absence of convective heat transfer means absence of air flows, improving sanitary conditions for occupants and enabling cleaning operations to be fast and efficient



OPTIMIZING SPACE

Whole system is integrated into floor, which minimize needed volume for solution. Surface area free from equipment requiring space



ZERO MAINTENANCE COSTS

Industrial underfloor heating systems require no maintenance. Once installed system operates in perfect condition for a long periods.



MULTIPURPOSE OBJECTS

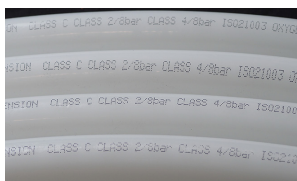
Once installed system enables easy shifts of object purpose. Once used as production hall, area can be utilized as standard warehouse, or warehouse for storing temperature wise challenging products.

APPLICATIONS

Pipeline industrial underfloor heating systems can be for factories, shops, DIY-markets, aircraft hangars, high speed train depots, warehouses, spare part depots, logistic centers, gas stations, car wash, call centers, distribution centers



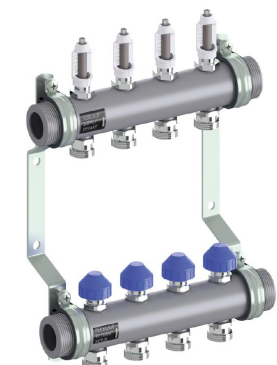
PRODUCT OVERVIEW



UNDERFLOOR HEATING PIPE

FT-R20L200	20 × 2,0 MM	PE-RT/EVOH/PE-RT	PIPE	200M
FT-R20L500	20 × 2,0 MM	PE-RT/EVOH/PE-RT	PIPE	500M
FT-R25L200	25 × 2,3 MM	PE-RT/EVOH/PE-RT	PIPE	200M
FT-R25L500	25 × 2,3 MM	PE-RT/EVOH/PE-RT	PIPE	500M

5 layer PE-RT/EVOH/PE-RT pipe for underflooring heating, ACC.TO: EN ISO 22391-2, pipe application, class 4, 20-60 °C design temperature, 6 bar design pressure.



MANIFOLDS

FTV6A 1¼"	6 CIRCUITS
FTV7A 1¼"	7 CIRCUITS
FTV8A 1¼"	8 CIRCUITS
FTV9A 1¼"	9 CIRCUITS
FTV10A 1¼"	10 CIRCUITS
FTV11A 1¼"	11 CIRCUITS
FTV12A 1¼"	12 CIRCUITS

Distributor in accordance with DIN EN 1264-4. Double-sided flat-sealing 1¼ AG connection for distribution accessories and fixed value control set. Lockable flow meters with very low pressure loss. Flow indicator 0-4 l/min. Control and shut-o valves with adaptation M30x1,5. Closing dimension 11,8 mm. Connection nipple G 3/4" euroconus. Axis distance of the outlets 50 mm. Forward run up, fully mounted on wall bracket, pipe clamps sound-insulated according to DIN 4109.



MANIFOLDS

FTV2A 2"	2 CIRCUITS
FTV3A 2"	3 CIRCUITS
FTV4A 2"	4 CIRCUITS
FTV5A 2"	5 CIRCUITS
FTV6A 2"	6 CIRCUITS

Brass round pipe distributor. Modular design with on the one hand flat-sealing external thread 2" and on the other hand overlay nut 2" supply; shut-o ball valve. RETURN: control valve with preset. Connection G 3/4" male thread eurocone.



EUROCONE CONNECTOR

FT-KVA20/3/4
FT-KVA25/1

Brass round pipe distributor. Modular design with on the one hand flat-sealing external thread 2" and on the other hand overlay nut 2" supply; shut-o ball valve. RETURN: control valve with preset. Connection G3-4" male thread eurocone.



ACCESSORIES

FT-IV20 BEND SUPPORT 20-22 MM
FT-IV25 BEND SUPPORT 25 MM

BEND SUPPORT
Allows an easy and space saving bend construction;
FOR PIPE Ø 20, 25mm.
MATERIAL: GLASS FIBER REINFORCED NYLON.

ACCESSORIES

WH-FR20/2M MOUNTING RAIL FOR 20 × 2,0 MM INDUSTRIAL FLOOR HEATING PIPE
WH-FR25/1M MOUNTING RAIL FOR 25 × 2,3 MM INDUSTRIAL FLOOR HEATING PIPE



MOUNTING RAIL

For laying pipes on floor insulation with mounting rails. For fixing, apply PT-nadel anchoring pins on each 0,5 m.

Complete your pipelife system today and contact:
Pipelife International GmbH
Wienerbergerstrasse 11 1100 Vienna | Austria
T +43 1 602 2030 0 | E info@pipelife.com | www.pipelife.com

PIPELIFE 
always part of your life